

SUT

Small Universal Test Machine



SUT 3000N / 520mm

SUT, the Small Universal compression/tension Tester offers a unique solution for small scale testing, where limited force is required for tension and compression testing. It is ideally suited to quality assurance and process control as well as research and development. The machine is equipped with special grips and compression plates, according to the type of specimens that are to be tested. Exchanging the grips for different types of testing is very simple. The standard maximum stroke length is 520mm, but it depends slightly on the products tested and the grips required for the specific type of testing.

It is capable of performing a range of testing procedures and can be set up for relevant international standards. The various testing procedures can easily be set up by using the keyboard situated on the machine. In the display the actual measurements of load/deformation can be followed while testing a specimen. The load/deformation is displayed in Newton. When the maximum load has been found it is indicated in the display, together with the corresponding deformation. Furthermore, the fracture load and deformation can be displayed.



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Specification

Model	SUT 3000/325	SUT 3000/520	SUT 3000/1000	SUT 5000/520
Loadcell Capacity	3000 N	3000 N	3000 N	5000 N
Weight	40 kg	40 kg	45 kg	45 kg
Max stroke length	325 mm	520 mm	3000 mm	520 mm
Free arm (frame dist)	66 mm			
Resolution	0.02 N	0.02 N	0.02 N	0.05 N
Supply Voltage	220/240 V or 110/120 V, 50-60 Hz			
Speed Range	1-500 mm/min as standard			
Height	941 mm	1036 mm	1518 mm	1516 mm
Width	300 mm			
Depth	390 mm			
Loading speed control	Servo controlled travelling speed.			
Control system	The machine can operate on its own - without any connection to a PC. The machine can also be supplied in a Professional Version where the advanced TramQA software makes almost any testing and reporting fully automatic. - refer the separate Tram-QA brochure.			

Standards

ISO 1924-2	Paper and board - Determination of tensile properties
ISO 6383-1	Film and sheeting - Determination of tear resistance - Trouser tear method

Please contact TRAM or your local distributor for additional information.



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